

**SPECIAL NOTE:**  
ALL OTHER SIGNING SHALL BE  
REMOVED/ INSTALLED BY THE  
SIGNING CONTRACTOR.

PROPOSED SIGNS

15,17,18,21,  
22,24,25

20a,20b,23a,23b

Quartermile <sup>no.</sup>

D-3(2)  
(Var. X16")  
DUAL FACE

R3-5L  
(30"x36")

26 EAST SHIELD 174 → ASSOCIATED SHIELD ASSEMBLY (30"X51")

27 WEST MARYLAND 174 ← ASSOCIATED SHIELD ASSEMBLY (48"X75")

28 WEST SHIELD 174 → ASSOCIATED SHIELD ASSEMBLY (36"X51")

TO SEVERN

RIGHT OF WAY LINE

PROPOSED UNDERGROUND  
INTERCONNECT TO  
PARKE WEST DRIVE

**RIGHT OF WAY LINE**




## CONSTRUCTION DETAILS

PROPOSED RAMP FROM SB

- (A) INSTALL NEW NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: 1-2" PVC SCHED. 80 BEND, 1-3" PVC SCHED. 80 BEND, AND 2-4" PVC SCHED. 80 BENDS.)
- 5 (B) INSTALL 6" X 30" LOOP DETECTOR ENCASED IN FLEXIBLE TUBING QUADRUPEL TYPE (3-6-3).
- (C) INSTALL MICROLOOP TRIPLE PROBE DETECTOR SET W/ 500 FOOT LEAD-IN.
- (D) INSTALL HANDHOLE.
- 5 (E) ~~INSTALL 6" X 6" LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (4 TURNS).~~
- (F) INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT-SCHEDULE 80 - TRENCHED.
- (G) INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT-SCHEDULE 80 - TRENCHED.
- (H) INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT-SCHEDULE 80 - BORED.
- (I) INSTALL 1" GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR LEAD-IN.
- (J) INSTALL STEEL POLE 27', 50" WAST ARM, SIGNAL HEADS, 15' BRACKET ARM WITH 250W-HPS LUMINAIRE, AND SIGNS AS SHOWN. (NOTE: 1-3" PVC SCHED. 80 BEND.)
- (K) INSTALL STEEL POLE 27', 60" WAST ARM, SIGNAL HEADS, 15' BRACKET ARM WITH 250W-HPS LUMINAIRE, AND SIGNS AS SHOWN. (NOTE: 1-3" PVC SCHED. 80 BEND.)
- (L) INSTALL 24" HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.
- (M) INSTALL MICROLOOP TRIPLE PROBE DETECTOR SET W/ 1000 FOOT LEAD-IN.
- 5 (N) INSTALL VIDEO DETECTION CAMERA ON WAST ARM AS SHOWN.
- (O) PROPOSED VIDEO DETECTION AREA.

## PROPOSED SIGNALS

1, 2, 5, 6      3, 4, 7, 8, 11, 14      9, 10, 12, 13

12"      12"      12"

5 ■ - VIDEO DETECTION CAMERA (A-D)

## NEMA PHASING

PHASING NOTES:

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

**RIGHT OF WAY LINE**

BG&amp;E 242197

MD 174 (QUARTERFIELD RD.)

TO GLEN BURNIE

### GENERAL NOTES

I. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

2. LOOP DETECTORS, PROBES AND CONDUIT ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.


3. REFER TO INTERCONNECT PLAN FOR SIGNAL SYSTEM LAYOUT.

4. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.

5. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

**5** REDLINE REVISION 10/27/03

REVISION "A"



**STREET TRAFFIC STUDIES, LTD.**  
400 Crata Hwy., 10E,  
Gen Burnie, Md 21051

Pb (410) 590-5520  
Fax (410) 590-6537

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4507A.doc

## REVISIONS

### APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

**1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26** **27** **28** **29** **30** **31** **32** **33** **34** **35** **36** **37** **38** **39** **40** **41** **42** **43** **44** **45** **46** **47** **48** **49** **50** **51** **52** **53** **54** **55** **56** **57** **58** **59** **60** **61** **62** **63** **64** **65** **66** **67** **68** **69** **70** **71** **72** **73** **74** **75** **76** **77** **78** **79** **80** **81** **82** **83** **84** **85** **86** **87** **88** **89** **90** **91** **92** **93** **94** **95** **96** **97** **98** **99** **100** **101** **102** **103** **104** **105** **106** **107** **108** **109** **110** **111** **112** **113** **114** **115** **116** **117** **118** **119** **120** **121** **122** **123** **124** **125** **126** **127** **128** **129** **130** **131** **132** **133** **134** **135** **136** **137** **138** **139** **140** **141** **142** **143** **144** **145** **146** **147** **148** **149** **150** **151** **152** **153** **154** **155** **156** **157** **158** **159** **160** **161** **162** **163** **164** **165** **166** **167** **168** **169** **170** **171** **172** **173** **174** **175** **176** **177** **178** **179** **180** **181** **182** **183** **184** **185** **186** **187** **188** **189** **190** **191** **192** **193** **194** **195** **196** **197** **198** **199** **200** **201** **202** **203** **204** **205** **206** **207** **208** **209** **210** **211** **212** **213** **214** **215** **216** **217** **218** **219** **220** **221** **222** **223** **224** **225** **226** **227** **228** **229** **230** **231** **232** **233** **234** **235** **236** **237** **238** **239** **240** **241** **242** **243** **244** **245** **246** **247** **248** **249** **250** **251** **252** **253** **254** **255** **256** **257** **258** **259** **260** **261** **262** **263** **264** **265** **266** **267** **268** **269** **270** **271** **272** **273** **274** **275** **276** **277** **278** **279** **280** **281** **282** **283** **284** **285** **286** **287** **288** **289** **290** **291** **292** **293** **294** **295** **296** **297** **298** **299** **300** **301** **302** **303** **304** **305** **306** **307** **308** **309** **310** **311** **312** **313** **314** **315** **316** **317** **318** **319** **320** **321** **322** **323** **324** **325** **326** **327** **328** **329** **330** **331** **332** **333** **334** **335** **336** **337** **338** **339** **340** **341** **342** **343** **344** **345** **346** **347** **348** **349** **350** **351** **352** **353** **354** **355** **356** **357** **358** **359** **360** **361** **362** **363** **364** **365** **366** **367** **368** **369** **370** **371** **372** **373** **374** **375** **376** **377** **378** **379** **380** **381** **382** **383** **384** **385** **386** **387** **388** **389** **390** **391** **392** **393** **394** **395** **396** **397** **398** **399** **400** **401** **402** **403** **404** **405** **406** **407** **408** **409** **410** **411** **412** **413** **414** **415** **416** **417** **418** **419** **420** **421** **422** **423** **424** **425** **426** **427** **428** **429** **430** **431** **432** **433** **434** **435** **436** **437** **438** **439** **440** **441** **442** **443** **444** **445** **446** **447** **448** **449** **450** **451** **452** **453** **454** **455** **456** **457** **458** **459** **460** **461** **462** **463** **464** **465** **466** **467**



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION

## SIGNAL PLAN

MD 174 (QUARTERFIELD ROAD) AT I-97 SOUTHBOUND RAMPS  
GLEN BURNIE, MARYLAND

DRAWN BY:	J.R.H. JR.
CHECKED BY:	T.HOLLOWAY
SCALE:	1" = 20'
DATE:	6/01

F.A.P. NO.	SEE TITLE
S.H.A. NO.	AA629B2
COUNTY:	ANNE AR
LOG MILE:	0201740

TS NO.	TS 4171
T.I.M.S. NO.	D727

SHEET NO.  
156 of 191